

JINNING LI

UNDERGRADUATE IN COMPUTER SCIENCE

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Personal Information

I'm a junior undergraduate student major in Computer Science at [ACM Honored Class](#), [Zhiyuan College](#), [Shanghai Jiao Tong University](#).



Technical

C/C++

Python

Java

HTML/Javascript

Tensorflow

Pytorch

Research Interest

Machine Learning

Data Mining

Natural Language Processing

Computer Vision

Research Experience

ANL Lab at SEIEE SJTU

Summer 2017 ~ Present

Data Mining, Social Network, Time Series Analysis, Neural Network
Advisor: [Prof. Xiaofeng Gao](#)

Cross-Platform Event Popularity Analysis
Topic detection based on WeChat official accounts dataset

Research Intern in Cornell University

Summer 2018 ~ Fall 2018

Counterfactual Machine Learning
Advisor: [Prof. Thorsten Joachims](#)

Ad Placement based on Criteo dataset

Research Intern in Purdue University

Fall 2018 ~ Present

Machine Learning Applications
Advisor: [Prof. Yexiang Xue](#)

Publications

Emo2Pop: Topic Popularity Prediction with Emotion Intensity Time Series (Under Reviewing)

Jinning Li, Qiang Zhang, Jiayi Xu, Xiaofeng Gao, Guihai Chen. Emo2Pop: Topic Popularity Prediction with Emotion Intensity Time Series. Submission to ICDM, 2019.

LINE ARTIST: A Multi-style Sketch to Painting Synthesis Scheme

DANCINGLINES: An Analytical Scheme to Depict Cross-Platform Event Popularity

[\[Website\]](#)[\[Arxiv\]](#)Tianxiang Gao, Weiming Bao, Jinning Li, Xiaofeng Gao, Boyuan Kong, Yan Tang, Guihai Chen, Xuan Li. DancingLines: An Analytical Scheme to Depict Cross-Platform Event Popularity. International Conference on Database and Expert Systems Applications (DEXA), 2018.

Teaching Experience

C++ Programming Fall 2016
Teaching Fellow at Shanghai Jiao Tong University
https://acm.sjtu.edu.cn/wiki/Programming_2016
* Design homework and test to help students master the basic idea of C++ programming.
* Give a lecture on dynamic programming [\[slide\]](#).
* Give a lecture to help students do reviewing [\[slide\]](#).

Operating System Spring 2018 ~ Present
Teaching Fellow at Shanghai Jiao Tong University
* Design a project to help students learn about Ptrace and the principle of GDB. [\[Github\]](#)

Projects

Criteo Ad placement Challenge July. 2018
<https://github.com/jinningli/ad-placement-pytorch>
Using propensity weighted logistic regression with Pytorch.
Got Rank 1 (post-challenge) in [NIPS '17 Workshop: Criteo Ad Placement Challenge](#)

Compiler 2017 May. 2017
<https://github.com/jinningli/Complier-2017>
A compiler written in Java for the compiler course. The source language is a mixture of C and Java. The target is x86 assembly.

Audio Tagging Jan. 2018
<https://github.com/jinningli/Audio-Tagging>
[\[Report\]](#) Project of MS318, Deep Learning. LSTM model and gated CNN model are used to solve the audio utterance tagging task.

Text Classification Mar. 2017
<https://github.com/jinningli/Text-Classification>
[\[Report\]](#) A course work in CS420: Text Classification using Linear Regularized Regression Method. Using Jieba word parsing and efficient feature selecting algorithm.

Ray Tracer Jun. 2016
<https://github.com/jinningli/Ray-Tracer>
[\[Demo Output\]](#) A C++ program to operate Ray Tracing on a 3D model and output a 2D picture.

A simple CPU Apr. 2017
<https://github.com/jinningli/CPU>
[\[Report\(CHS\)\]](#)A course work in Computer Architecture. It's a CPU with five assembly line in Verilog language. And It ran successfully in FPGA.

MIPS Simulator Jul. 2016
<https://github.com/jinningli/Mips-Simulator>
A C++ program to simulate MIPS assembly code and give the result, with virtual CPU, Register, RAM and ROM.

Text Compressor

<https://github.com/jinningli/Text-Compressor>

A efficient C++ program to compress text by about 50%, using Huffman Tree and Word Reduce algorithm.

Aug. 2016

Item Recommendation

<https://github.com/jinningli/Item-Recommendation>

[\[Report\]](#) A course work in CS420: A Item Recommendation System using machine learning method. Factorization machines, MCMC sampling and ensemble algorithm are adopted.

Apr. 2017

Education Background

Shanghai Jiao Tong University - Shanghai, China

Major: Computer Science (ACM Honored Class)

Minor: Finance

GPA: 3.6/4.2

Average Score: 85/100

GPA Ranking: 15/25

Comprehensive Ranking: 9/25

Sep. 2015 ~ Present

Awards

The Level A Academic Excellence Scholarship

Summer 2017

Zhiyuan College Honored Scholarship

Summer 2017

2017 Consortium for Mathematics and Its Applications

[Meritorious Winner](#)

[\[Paper\] Modeling the Process of Airport Security : Modification and Evaluation](#)

Spring 2017

The OutStanding Award of Student Union

Spring 2017

2016 Consortium for Mathematics and Its Applications

[Honorable Mentions](#)

[\[Paper\] Bath Model Based on Heat Transfer Model and Analytic Hierarchy Process](#)

Spring 2016

Dongrun-Yau Science Award

First Prize(Regional Contest), Successfully Participation(World Final)

Summer 2015

The 7th Certificate Authority Cup of MCM

Outstanding Winner

Spring 2015